Aviation Maintenance Risk Management Presentations

CDR AJ Stephens
Naval Safety Center
Norfolk, Virginia

Overview

- History –
  - Maintenance Malpractice
  - Khaki Risk Management
- How are they the same?
- How are they different?
- Numbers
- Scheduling

Maintenance Malpractice

CDR Al Stephens
Naval Safety Center
Norfolk, Virginia

Risk Management in Aviation Maintenance

CDR Al Stephens
Naval Safety Center
Norfolk, Virginia

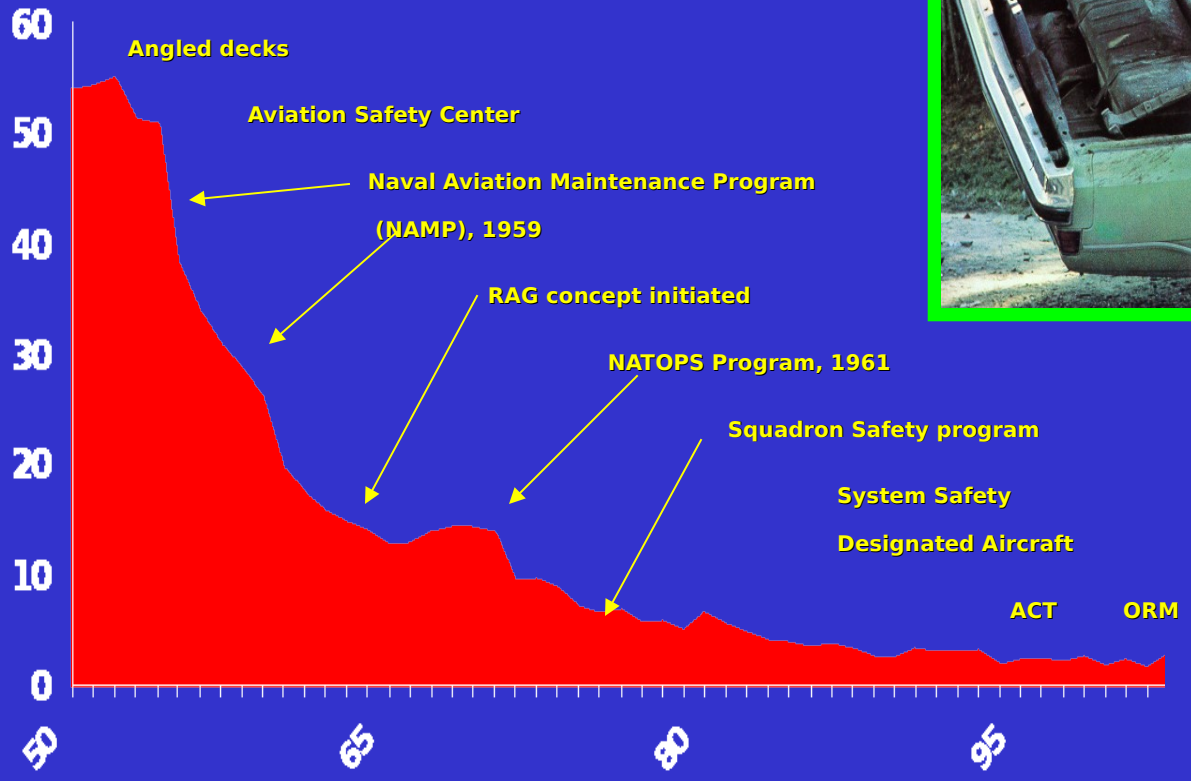
What do they both do?

- Provide history and statistical overview
- Review ORM principles
- Ground Crew Coordination (GCC) awareness
  - Seven Behavioral Skills
- Human Factors awareness
  - Dirty Dozen

Statistics

Aviation
$

USN / USMC
Personal Motor Vehicle
MISHAPS
585 dead
over last 5 years


60
50
40
30
20
10
0
50
65
80
95
Angled decks
Aviation Safety Center
Naval Aviation Maintenance Program
(NAMP), 1959
RAG concept initiated
NATOPS Program, 1961
Squadron Safety program
System Safety
Designated Aircraft
ACT
ORM

ORM

Naval Air Forces

Operational Risk Management Information

"The Goal of ORM is to elevate Situational Awareness and enhance Mission Accomplishment, with Safety a natural result."

Home

ORM University

TRACS

CNAF ORM University Policy Message

ORM Joint Policy Message

FY02 ORM Training Schedule

ORM Best Practices

Links:

Naval Safety Center ORM Homepage

Culture Workshop

MCAS/CSA Surveys

Aviation Safety School

NOTICE: THE ORM WEB SITE WILL BE UNAVAILABLE FROM 1300 - 1400 ON 17 JUN 02 FOR SCHEDULED MAINTENANCE.

On-line ORM courses you can study or challenge with ORM University:

ORM University is a web-based e-learning product that includes four courses tailored by seniority and position. Upon completion, the student may print a certificate of completion. When you *study a course*, you walk through the entire course taking the practice quizzes and the final exam. Or you can *challenge a course*, by taking only the final exam.

- The **ORM Fundamentals Course** provides an introduction to the ORM process, techniques, and basic tools. It is recommended for personnel at any level.
- The **ORM Essentials for Leaders Course** includes a brief review of ORM fundamentals and provides intermediate-level training on ORM application.
- The **ORM Application and Integration Course** provides advanced ORM concepts and applications.
- The **ORM Executive Overview Course** is intended to be used by senior Navy leaders (generally Squadron CO's and above).

Perform a Risk Assessment on-line with TRACS:

Are you putting together a Risk Assessment for an evolution and need some help working your way through the five-step process? A software package to assist you is just a click away. TRACS is the Total Risk Assessment and Control System and it takes the user through the Navy's five-step Operational Risk Management process and allows you to print-out an assessment for your Boss.

- Save Assessments in your personal library
- View and import assessments from the public library.
- Recommend your assessment for use in the public library.

Help:

Having trouble getting TRACS or ORMU to work? Confirm your browser configuration.

IE Configuration

Contact Us:

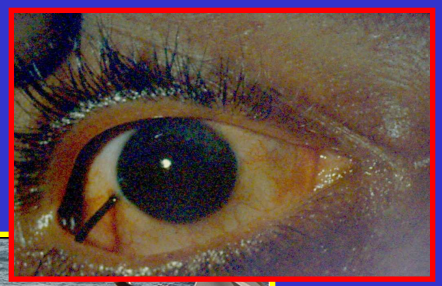
CNAF Safety
DSN 735-2788
(619) 545-2788
orm@cnap.navy.mil

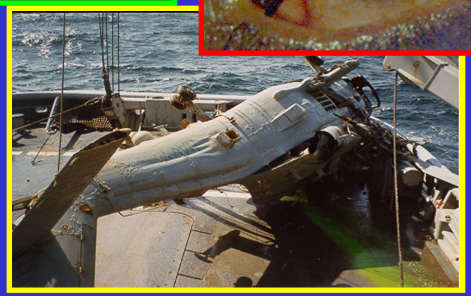
Ground Crew Coordination

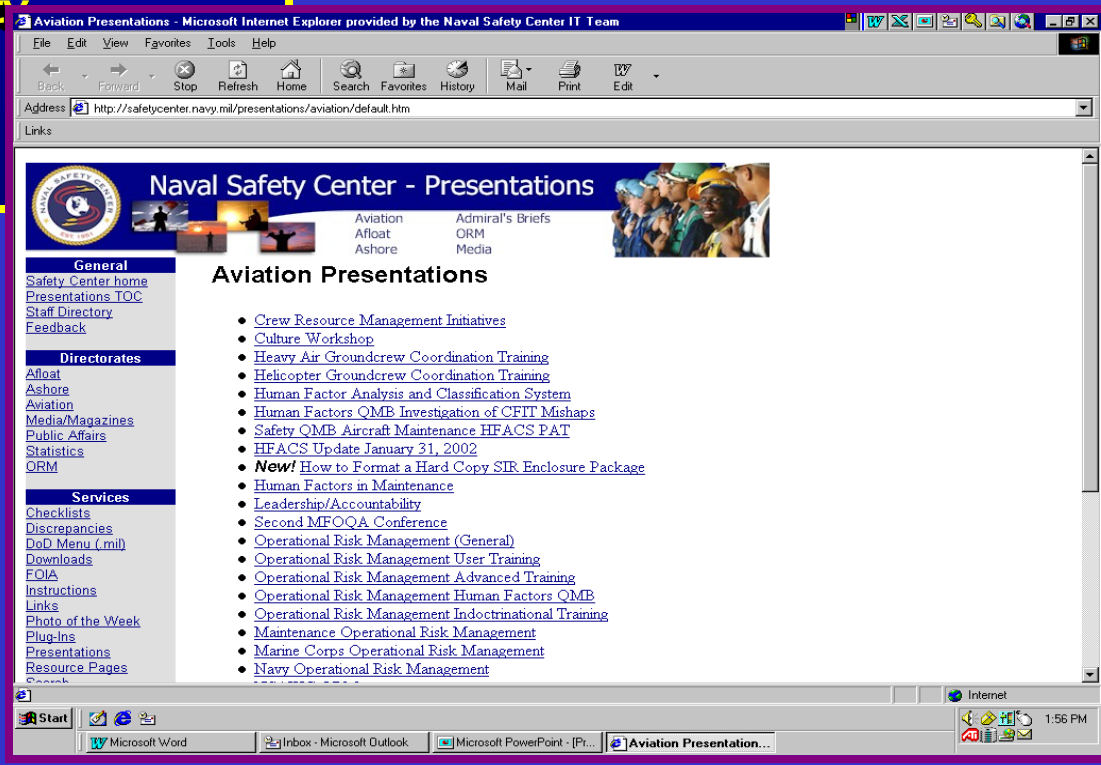
GCC

Seven Behavioral Skills

- Communication
- Assertiveness
- Mission Analysis
- Decision Making
- Situational Awareness
- Adaptability/Flexibility
- Leadership







Human Factors

Dupont's Dirty Dozen

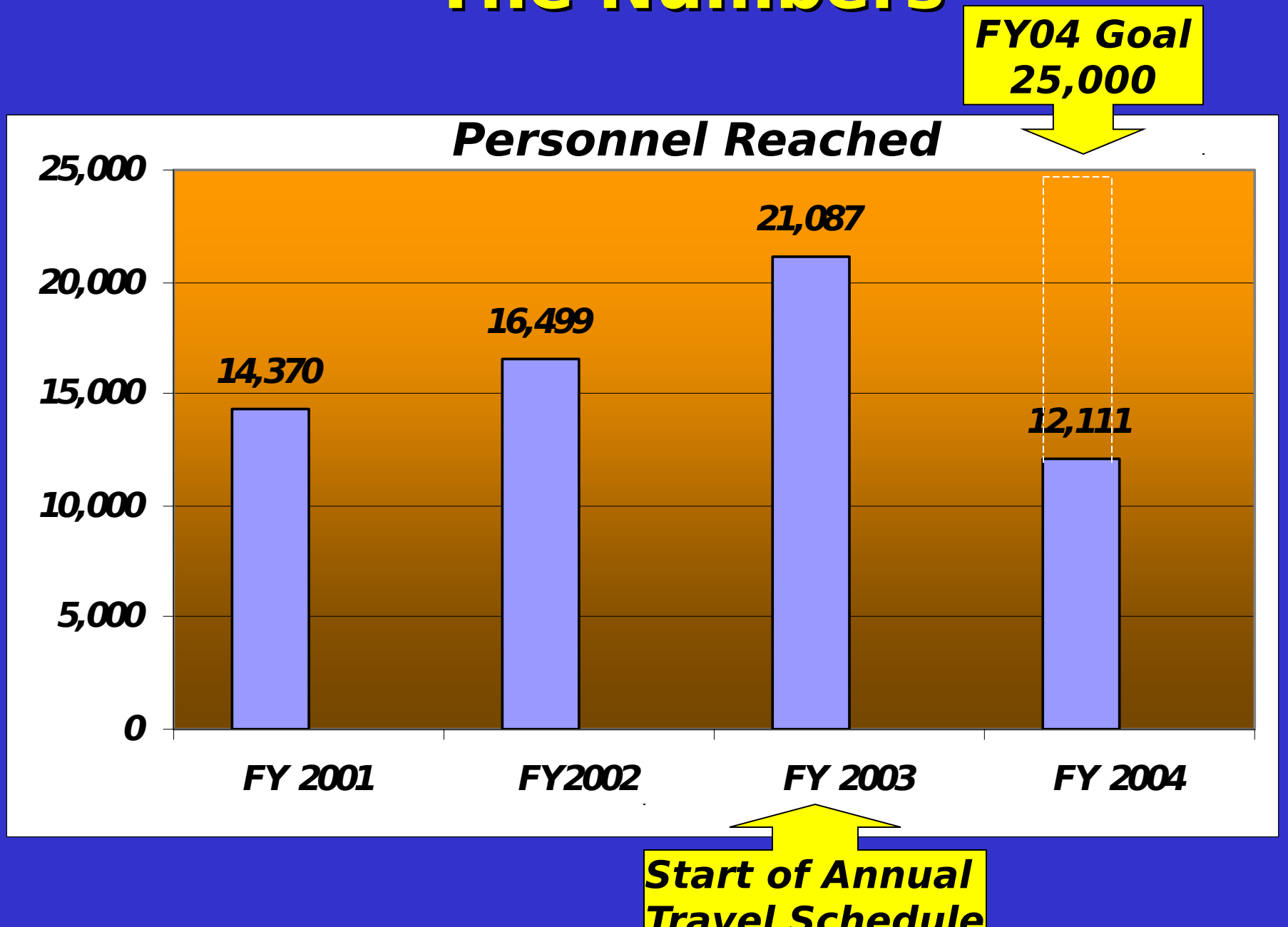
Human Factor Error Causes

Lack of:	Abundance of:
Communication	Distraction
Awareness	Complacency
Resources	Norms
Assertiveness	Stress
Teamwork	Fatigue
Knowledge	Pressure

The Differences

MMP		KRM
"White Hats"	Target Audience	"Khaki"
Fleet Commands	Venue	AMO / SEAMS
Awareness	Objective	Informational
Complacency	Characteristics	Complacency

The Numbers


FY04 Goal
25,000
Personnel Reached
25,000
20,000
15,000
10,000
5,000
0
14,370
16,499
21,087
12,111
FY 2001
FY2002
FY 2003
FY 2004
Start of Annual
Travel Schedule

Scheduling

ADCS Gary Dennis
Code 128B
gary.dennis@navy.mil
(757) 444-3520 x. 7292 (DSN 564)

AMCS Cheryl Poirier
Code 127B
cheryl.poirier@navy.mil
(757) 444-3520 x. 7221 (DSN 5